

ABSTRACT OF THE DISCLOSURE

The invention concerns a measuring transformer for comparing a current
5 flowing through a conductor to a reference current comprising a magnetic circuit formed
by a toroidal core, a conductor through which the current to be measured flows and which
is enclosed by the toroidal core, a secondary winding arranged on the toroidal core, and a
magnetic field measuring element which is arranged in a gap of the toroidal core and which
is sensitive to the magnetic field in the gap. In order to be able to reliably detect even high-
10 frequency deviations from a reference value with such a measuring transformer, it is
proposed in accordance with the invention that there is provided a reference setting unit for
acting on the secondary winding with a reference current. The measuring transformer
according to the invention is preferably used for measuring the output current of an inverter
for a wind power installation.

15

970054.458C1 / 465103